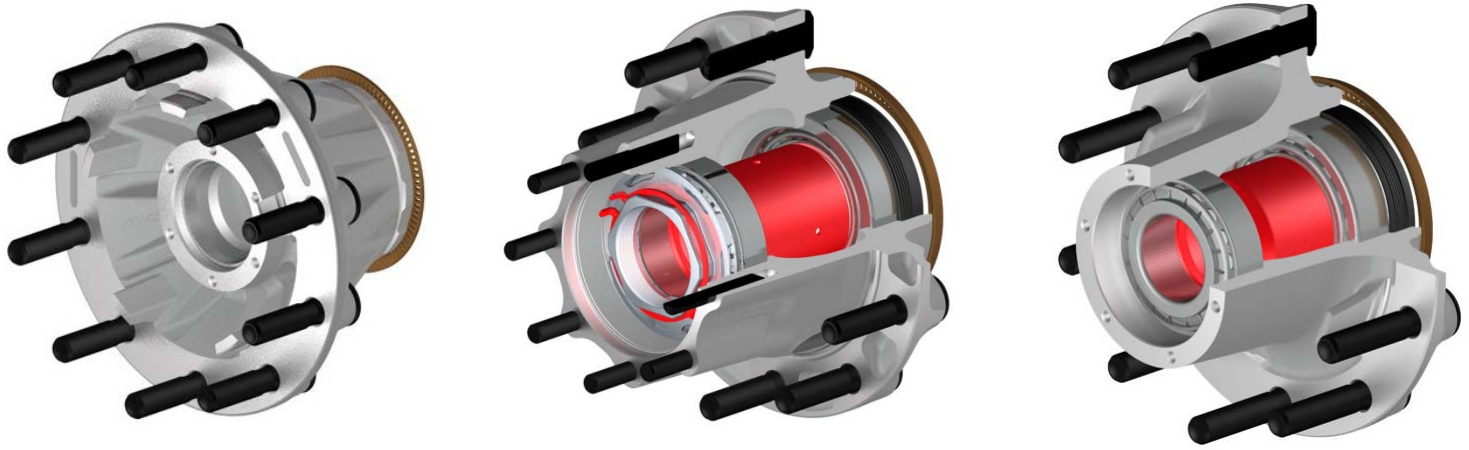
Wheel Hub Service Presentations

Bearing Cup Removal And Reinstallation In Aluminum Wheel Hubs

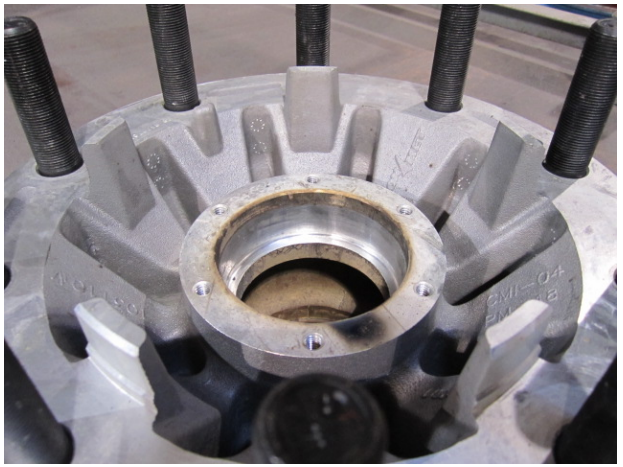


Bearing Cup Removal In Aluminum Wheel Hubs

- After cleaning the hub to remove all grease, oil, and foreign material, use a welder to weld a bead around the face of the bearing cup.

Bearing Cup Removal In Aluminum Wheel Hubs

- Turn the hub over and allow the bearing cup to cool.
- When the bearing cup cools, it will shrink and can be removed from the hub with minimal effort. This results in less wear or damage to the bearing bore in the hub.

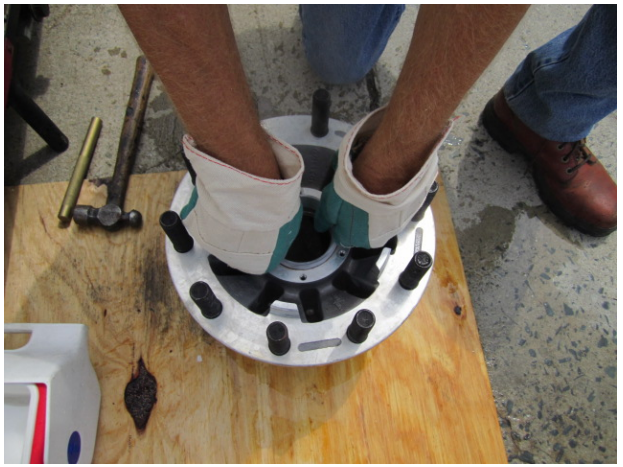


Bearing Cup Installation In Aluminum Wheel Hubs

- Clean the bearing bore in the hub.
- Heat the hub in boiling water or a temperature controlled oven. This will expand the hub allow for easier cup installation.
- Do not exceed 300 degrees F.
- Do not use a torch or burner to heat the wheel hub.

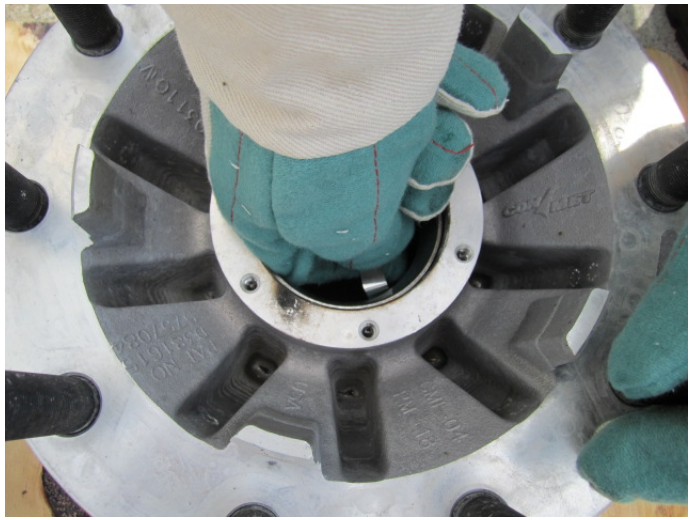
Bearing Cup Installation In Aluminum Wheel Hubs

- Chill the bearing cup in a freezer or on dry ice to shrink the cup for easier installation.
- Use gloves to protect hands. Remove the hub from the oven. Place the chilled bearing cup into the bearing bore in the hub.
- Use a mild steel punch or a bearing cup installation tool, if necessary, to fully install the bearing cup into the bearing bore of the hub.



Bearing Race Installation In Aluminum Wheel Hubs

- Use a .002” feel gage to insure that the bearing cup is seated correctly and is not cocked in the bearing bore.



Bearing Cup Removal And Reinstallation In Aluminum Wheel Hubs

For more complete instructions, access the online PreSet Hub Training program or the PreSet Hub Service Manual at www.conmet.com

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